RAW SEQUENCE LISTING

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  2       Yasuhiro NISHIDA et al.
  3 <120> TITLE OF INVENTION: NOVEL CAROTENOID HYDROXYLASE GENE, METHOD FOR PREPARING
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  4       CAROTENOID, AND NOVEL GERANYLGERANYL PYROPHOSHATE SYNTHASE
  5 <130> FILE REFERENCE: 3749-0111PUS1
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  7 <141> CURRENT FILING DATE: 2006-05-15
  8 <150> PRIOR APPLICATION NUMBER: JP 2003/388165
  9 <151> PRIOR FILING DATE: 2003-11-26
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 11 <151> PRIOR FILING DATE: 2004-06-03
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224    Leu Trp Ala Gly Ala Gly Arg Gly Arg Ala Leu Asn Leu Arg Pro Pro
225                     35                  40                  45
226    gcg atg aag cgc atc cgc gcc gag atc gtc gcc tcc ctg atc gcc tgc        10933
227    Ala Met Lys Arg Ile Arg Ala Glu Ile Val Ala Ser Leu Ile Ala Cys
228                 50                  55                  60
229    ccc atc tac gcc ctg ccg gcg gcc ctg gtg ctg gag ctg tgg aag cgg        10981
230    Pro Ile Tyr Ala Leu Pro Ala Ala Leu Val Leu Glu Leu Trp Lys Arg
231             65                  70                  75
232    ggc ggg acg gcg atc tac agc gat ccc gac gcc tgg ccc ctg tgg tgg        11029
233    Gly Gly Thr Ala Ile Tyr Ser Asp Pro Asp Ala Trp Pro Leu Trp Trp
234         80                  85                  90
235    ctg ccg gtc agt ctg atc gtc tat ctg ctg gcg cac gac gcc ttc tac        11077
236    Leu Pro Val Ser Leu Ile Val Tyr Leu Leu Ala His Asp Ala Phe Tyr
237     95                  100                 105                 110
238    tac tgg gtg cac agg gcc ctg cat cac ccg cgc gtc ttc ggc tgg gcc        11125
239    Tyr Trp Val His Arg Ala Leu His His Pro Arg Val Phe Gly Trp Ala
240                     115                 120                 125
241    cat gcc gaa cac cac cgg tcg cgc gac ccc agc gcc ttc gcc tcc ttc        11173
```

fyi

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/13/2007
PATENT APPLICATION: **US/10/579,338**   TIME: 16:47:15

Input Set : **N:\Crf4\03082007\K579338.raw**
Output Set: **N:\CRF4\03132007\J579338.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:37; N Pos. 9,12,15,18
Seq#:38; N Pos. 3,9,12,15,18

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3

VERIFICATION SUMMARY   DATE: 03/13/2007
PATENT APPLICATION: **US/10/579,338**   TIME: 16:47:15

Input Set : **N:\Crf4\03082007\K579338.raw**
Output Set: **N:\CRF4\03132007\J579338.raw**

L:6 M:270 C: Current Application Number differs, Replaced Current Application Number
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0